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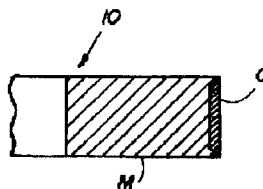
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(54) **WEAR RESISTANT SPRAY COATING LAYER OF  
SLIDING MEMBER**

(57) Abstract:

PROBLEM TO BE SOLVED: To improve wear resistance and scuffing resistance of a sliding member.

SOLUTION: On the sliding face in the outer circumference of the base metal M of a piston ring 10 as a sliding member, a sprayed coating layer C composed of 60 to 90wt.% primary material as nickel base sliding face material contg. Cr, V and Mo and 10 to 40wt.% secondary material composed of either or both of Cr<sub>2</sub>O<sub>3</sub> and MoO<sub>3</sub> added with 1 to 7% SiO<sub>2</sub> is formed by high velocity oxygen flame (HVOF) thermal spraying.



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